

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Donald Christopher et al.

Art Unit: 3737

Serial No.: to be assigned

Examiner: William C. Jung

Filed : herewith

For : AUTOMATIC OPTIMIZATION OF
DOPPLER DISPLAY PARAMETERS

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W. Brinton Yorks, Jr.
Name of applicant, assignee, or
Registered Representative

W. Brinton Yorks, Jr.
(Signature)

10/27/03
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Hon. Commissioner of Patents
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Washington, D.C. 20231

VOLUNTARY AMENDMENT

Dear Sir:

Please amend the specification of the enclosed
continuation application as follows.

On page 1, lines 4-6 immediately following the title,
please insert

This application is a continuation of application
serial number 09/941,348, filed August 28, 2001.

Amend the paragraph beginning on page 9, line 5 as
follows:

Colorflow data may also be used to automatically
adjust the parameters of a corresponding spectral Doppler
display as shown in FIGURES 7 and 8. FIGURE 7 shows a
colorflow Doppler image 40 which is used to image the blood
flow velocities of the portion of a vessel 50 which is
inside a color box 42. A spectral analysis such as that of
FIGURE 2 is initiated by positioning a sample volume 52
over the center of the blood vessel 50. A flow direction
cursor 54 is set to be aligned with the direction of blood
flow for angle correction. Preferably the flow direction
cursor setting and angle correction is performed
automatically as described in U.S. Patent 6,464,637
~~application serial number 09/721,301, filed 11/21/2000.~~
Next to the colorflow image 40 on the display screen is a
color bar 60, which depicts the mapping of the flow colors
to a range of velocity values. In this illustration
positive velocities extend from green (G) to yellow (Y) in
color and negative velocities extend from light blue (LB)
to dark blue (DB), where the zero velocity point between
green and yellow is the color baseline.